

Title (en)  
SURVEY SYSTEM

Title (de)  
VERMESSUNGSSYSTEM

Title (fr)  
SYSTÈME D'INSPECTION

Publication  
**EP 3258290 B1 20210825 (EN)**

Application  
**EP 17175616 A 20170613**

Priority  
JP 2016117721 A 20160614

Abstract (en)  
[origin: EP3258290A1] Provided is a survey system capable of acquiring point group data of a three-dimensional object desired to be measured without complicated setting. A survey system (1) includes a surveying instrument (2) including a tracking section that tracks a target by emitting tracking light and receiving the tracking light reflected on the target (9), and a scanner (22) that rotates horizontally and integrally with the surveying instrument and performs scanning around a single axis in a vertical direction, and the scanner and the tracking section are offset in the horizontal direction. Therefore, a scanning line (SL) does not match the target, and is always controlled around the target.

IPC 8 full level  
**G01S 17/42** (2006.01); **G01C 15/00** (2006.01); **G01S 17/66** (2006.01); **G01S 17/87** (2020.01); **G01S 17/89** (2020.01)

CPC (source: EP US)  
**G01C 3/04** (2013.01 - US); **G01C 15/002** (2013.01 - EP US); **G01S 17/42** (2013.01 - EP US); **G01S 17/66** (2013.01 - EP US);  
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Designated contracting state (EPC)  
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**EP 3258290 A1 20171220; EP 3258290 B1 20210825**; JP 2017223489 A 20171221; JP 6713847 B2 20200624; US 10591290 B2 20200317;  
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